DS-850S

ORDERCODE D1122

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The DAP Audio DS-850S brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

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Always get the best -- with DAP Audio !

Thank you!

Dap Audio

Dap Audio DS-850S™ Product Guide

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WARNING

CAUTION!

Keep this system away from rain and moisture!

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this system has to:

- be qualified
- follow the instructions of this manual

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the system.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not connect this system to a dimmerpack.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Do not open the device and do not modify the device.
- Only use system indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when system is not used. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the system and the power-cord from time to time.

- Please turn off the power switch, when changing the power cord or signal cable, or select the input mode switch.
- Extreme frequency boosts in connection with a high input signal level may lead to overdriving your equipment. Should this occur, it is necessary to reduce the input signal level by using the INPUT control.
- To emphasize a frequency range, you don't necessarily have to move its respective sliding control upward; try lowering surrounding frequency ranges instead. This way, you avoid causing the next piece of equipment in your sound path to overdrive. You also preserve valuable dynamic reserve ("headroom")
- Avoid ground loops! Always be sure to connect the power amps and the mixing console to the same electrical circuit to ensure the same phase!
- If system is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- If your Dap Audio device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Dap Audio dealer for service.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- For replacement use fuses of same type and rating only.
- WARRANTY: Till one year after date of purchase.

OPERATING DETERMINATIONS

If this system is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !!

Description of the device

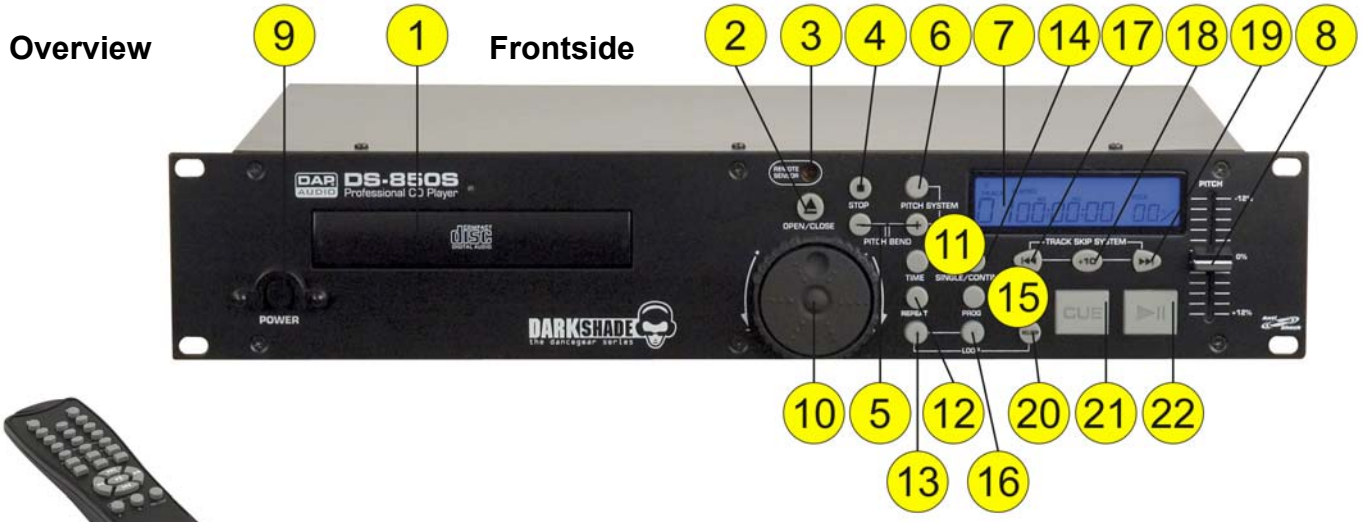
Features

The DS-850S is a CD-Player from DAP Audio.

- Frequency response 20Hz-20Khz
- 24 bits DA converter
- 44.1 KHz sampling frequency
- Harmonic distortion 0.03%
- Signal/noise ratio: -96 dB
- Pitch edge +/-12%
- + 10 Tracks Skip Search

Overview

Frontside



Backside

1) DISC HOLDER
2) OPEN/CLOSE ⏏ (Open/Close Button)
3) IR sensor
4) STOP
5) PITCH -/+ (Pitch Bend - Button)
6) PITCH System
7) LCD (Liquid Crystal Display)
8) PITCH FADER
9) POWER ON / OFF
10) JOG + SHUTTLE Wheel
11) TIME
12) REPEAT
13) LOOP IN A
14) SINGLE/CONTINUE
15) PROG
16) LOOP OUT B
17) B.SKIP ⏮
18) 10 (Track+10 Button)
19) F.SKIP ⏭
20) RELOOP
21) CUE
22) PLAY/PAUSE ⏯
23) 120V/230V Switch
24) Powercable
25) Line Out L / R

Installation

DS-850S Installation

Remove all packing materials from the CD Player. Check that all foam and plastic padding is removed. Screw the CD player in a 19“ Rack. Connect all cables.

Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. The power supply is printed on the back of the device.
Do not attempt to operate a 120V specification product on 230V power, or vice versa.

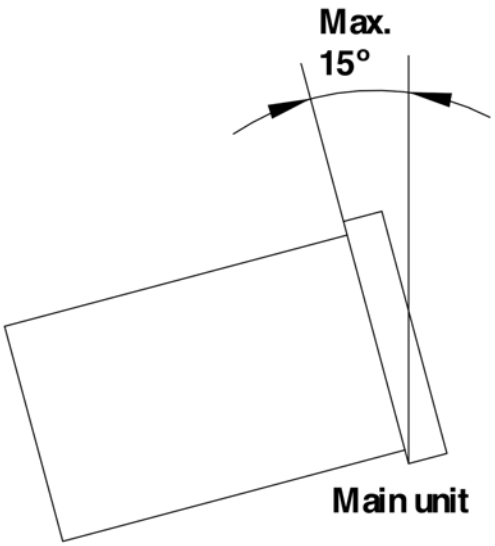


Fig. 1

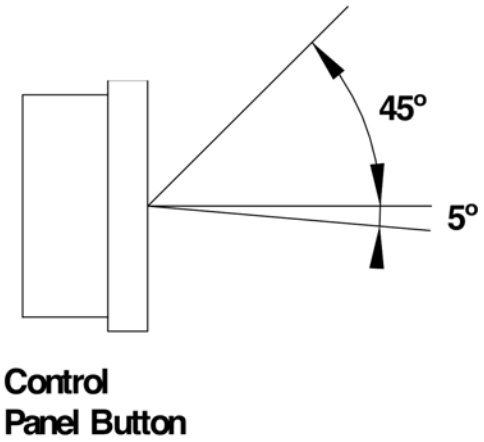


Fig. 2

CAUTION: The player will work normally when the unit is mounted with the front panel at 15 degrees of the vertical plane. If the unit is tilted excessively, discs may not be loaded or unloaded properly. (Fig. 1)
The control panel’s LCD’s are designed to be clearly visible within the angles (Fig. 2). Mount the control unit so that the visual angle is within the range.

Connections
1. Turn off the POWER switch.
2. Connect the RCA cable to the input of your mixer.

CAUTION: Be sure that the power is off, when connecting the cables.

Functions

NAMES AND FUNCTIONS
Below is a description of the functions of the controls.

Frontpanel

1) Disc Holder: Place the disc in the holder. Press the OPEN/CLOSE-button to open and close the disc holder.
2) OPEN/CLOSE ⏏(Open/Close-button): Press this button to open and close the disc holder. The disc holder cannot be opened during playback, so stop playback before pressing the button.
3) IR Sensor: Aim the remotecontrol at the sensor to operate your CD player.
4) STOP: Stop the CD.
5) PITCH BEND **– / +**: The CD speed changes when one of the Pitch Bend buttons is pressed. Release the button to return to the original BPM.
6) PITCH System: If you push this button, you can adjust the pitch with the pitch fader.
7) LCD Display
8) PITCH-Fader: Use this fader to adjust the CD pitch. Slide up to decrease the pitch, slide down to increase the pitch.
9) POWER ON / OFF
10) Inner Shuttle Wheel: When the wheel is turned during the CD pause, the point at which the sound is being produced, moves by a number of frames corresponding to the number of clicks. Clockwise moves the point forward, counterclockwise moves the point backward.
Outer Shuttle Wheel: Use the wheel to select the scanning direction and speed. The disc is scanned in the forward direction when the shuttle wheel is turned clockwise from the neutral position. To scan in reverse direction when the shuttle wheel is turned counterclockwise. The scanning speed increases when the shuttle wheel is turned faster.
11) TIME (Time button): Press this button to switch the TIME-Display between the elapsed time and remaining time. The selected mode is indicated by the ELAPSED, REMAIN and TOTAL REMAIN indicator on the LCD.
12) REPEAT: Use this button to repeat one track or all tracks of the CD.
13) LOOP IN (**A**) (Loop-Button): Press this button to set the startpoint of the loop.
14) SINGLE/CONTINUE: Press this button to switch between the SINGLE and CONTINUOUS play mode. The selected mode is indicated on the LCD. In SINGLE mode, the unit stops the reading after each track. In CONTINUOUS mode, the unit reads all tracks and then stops.
15) PROGRAM (Program-button): Press the Program-Button, the player will enter the program mode and stop the CD playback.
16) LOOP OUT (**B**) (Loop-Button): Press this button to set the endpoint of the loop.
17) B. SKIP ⏮: Use this button to go back to the beginning of the current track or select a previous track for playing.
18) +10 (Track + 10 Button): Use the button to skip forward 10 tracks.
19) F.SKIP ⏭ Use this button to skip to the next track.
20) RELOOP: This button is used to start the last saved loop. To finish the loop, press a LOOP button.
21) CUE (Cue-Button): Press the CUE button during playback to return to the position at which playback is started.
22) PLAY/PAUSE-button: Use this button to start playback. Press once to start playback, twice to set the pause mode, and thrice to resume playback.

Operations

1. Opening and closing of the disc holder

- Turn the unit's power on. Press the OPEN/CLOSE-button to open the disc holder.
- The disc holder cannot be opened during playback, to prevent playback from being interrupted if the OPEN/CLOSE button is pressed accidentally. Stop the playback first, then press the OPEN/CLOSE button.

2. Loading CD's

- Hold the disc by the edges and place it in the disc holder, then press the OPEN/CLOSE button to close the holder. The unit will show the total track number and the total playing time for about 2 seconds and then enter the cue condition. The cue point will be set to the music's starting point of the first track automatically.

CAUTION:

- Do not place any foreign objects in the disc holder and do not place more than one disc in the disc holder at a time.
- Do not push the disc holder in manually when the power is off, as this may result in malfunction and damages the player.

3. Selecting Tracks

- Press the SKIP-button to move to a higher or lower track.
- Hold the SKIP button to change tracks continuously at a higher speed.
- When a new track is selected during playback, playback begins as soon as the skip search operation is completed.
- If the Skip-button ▶▶| is pressed while at the last track, the first track is selected. In the same way, If the Skip- button |◀◀ is pressed while at the first track, the last track is selected.

4. Starting Playback

- Press the PLAY/PAUSE button during the pause or cue condition to start playback, the PLAY indicator lights.
- The point at which playback starts is automatically stored in the memory as the cue point. The CD player then returns to the cue point when the CUE button is pressed.

Fig. 3

5. Stop Playback

There are two ways to stop playback:

1). Press the PLAY/PAUSE button during playback to pause at that point.

2). Press the CUE button during playback to return to the cue point and enter pause condition.

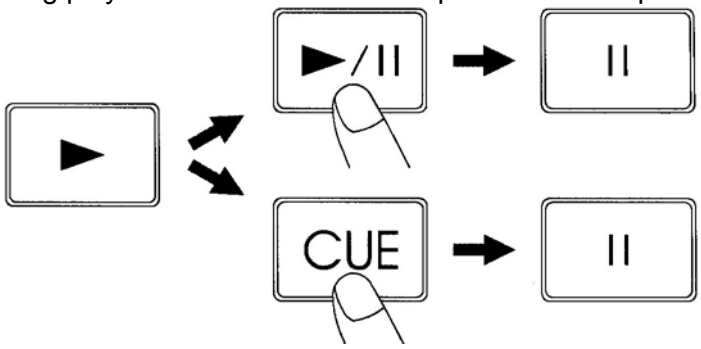


Fig. 4

6. Pausing
• Press the PLAY/PAUSE button to switch between play and pause.
• The play indicator flashes when the pause mode is set.
• Playback resumes when the PLAY/PAUSE button is pressed again.

7. Setting a Cue Point
• Press the PLAY/PAUSE button to switch between play and pause.
• The play indicator flashes when the pause mode is set.
• Turn the Shuttle wheel to go to your desired CUE point.
• Press the PLAY/PAUSE button again and your CUE point has been stored and the CD will continu.

8. Cueing
• "Cueing" is the action of preparing for playback.
• Press CUE button, the player will enter CUE-Mode, the playback returns to cue point and enter pause condition, the CUE indicator lights up and the PLAY indicator flashes. When PLAY/PAUSE button is pressed, play starts from the cue point.
• When the track search operation is completed after pressing the SKIP buttons, the player automatically finds the position at which the sound starts and cues there (Auto Cue).
• If the CUE button is pressed after the search operation or the scanning operation, the playback returns to the cue point and enters pause condition.

NOTE: During cue mode, if the CUE button is pressed and hold, playback will start from the cue point, when the button is released, the player will return to the cue mode automatically, it allows you to check the cue point.

9. Frame search
• Frame search is a function for monitoring the sound at a certain section of the disc and manually changing the position. Searching is used to set a starting point with precision.
• Turn the Shuttle wheel while in pause or cue mode to begin searching. The sound for one revolution of the disc is output repeatedly. The point at which the sound starts is indicated on the LCD.
• When the Shuttle wheel is turned, the point from which the sound output moves is the a number of frames corresponding to the number of the milliseconds, and the time display on the LCD also changes.
• The search point moves in the forward direction when the Shuttle wheel is turned clockwise. When the shuttle wheel is turned counterclockwise, the search point will moves backward.

10. Scanning Outer Shuttle Wheel (Fast forward/Fast backward)
• Scanning is a function for moving quickly forward or backward when the Outer SHUTTLE is rotated.
• Turn the shuttle wheel to begin scanning. The disc moves rapidly forward or backward and the sound is audible. The current scan point is indicated on the LCD.
• Turn the shuttle wheel clockwise to scan in the forward direction, counterclockwise to scan in the reverse direction.

11. Time Display
Press TIME button to select time display mode:
1. Elapsed time of a track (ELAPSED).
2. Remaining time of a track (REMAIN).
3. Remaining time of the disc (TOTAL REMAIN).

12. Changing Pitch of the song

There are three tools available for matching the BPM of the CD:

1. Use the pitch slider to adjust the BPM.
2. Use the PITCH BEND buttons to change the BPM temporarily.
3. Turn the Inner Shuttle wheel to change the BPM temporarily.

- **1) Pitch-Slider**
  - To adjust the BPM by sliding the pitch slider up or down, press the PITCH system button to turn on the PITCH adjustment function.
  - Slide the pitch slider up to decrease BPM, or down to increase BPM. The adjustment range is +-12%.

- **2) Pitch-Bending**
  - The BPM increases or decreases respectively while the PITCH BEND+ or PITCH BEND- button is pressed.
  - The BPM increase depends on how long you hold the button. If you hold the button for about 5 seconds, the BPM will go either to +16% for PITCH BEND+ or -16% for PITCH BEND-. If you tap the button, the BPM will only change a little so you can change the beat slightly without audible changing in the music.
  - The CD will return to the BPM indicated by the Pitch slider when you release the PITCH BEND+ or PITCH BEND-buttons.

- **3) Turn the Inner Shuttle wheel**
  - Turn the Shuttle wheel clockwise during play to increase the BPM in the forward direction, counterclockwise to decrease the BPM. The faster you turn the wheel, the more BPM changes. The BPM changes with a range of+/-12%.
  - When you release the Shuttle wheel, the CD will return to the BPM indicated by the pitch slider.

13. Program Play

1. Press the PROGRAM button, the player will enter the program mode and the CD will stop rotating.
2. Select the desired track by pressing the SKIP button, then press the PROGRAM button again. The selected track will be added to the program sequence.
3. Repeat step 2. A maximum of 30 tracks can be programmed.
4. Press the PLAY/PAUSE button to start the program play from the first selection.
5. Press the program button again during program play to stop playing.
6. Press and hold the program button more than 2 seconds to cancel the program mode and erase all the current program contents.

14. Loop PLAY

1. Press LOOP IN button to set the loop start point, the LOOP indicator will flash on the LCD.
2. Press LOOP OUT button to set the loop end point. After the end point is set, the playback will enter the loop play from start point to end point repeatedly.
3. Press one of the LOOP buttons again, the loop play function is canceled, the LOOP indicator dimms.

15. Reloop

1. If you press the Reloop button, the disc will go back to the last selected loop.
2. Press the button over and over rapidly to start the loop again and again.
3. Press one of the LOOP buttons again, the loop play function is canceled, the LOOP indicator dimms.

16. Repeat

1. Press the Repeat-button once to repeat the current track.
2. Press the button again to repeat the whole disc.
3. Press the button a third time, to exit the Repeat Mode.

Before switching off the power

When you have finished using the CD player, before switching off the power, be sure that the disc holder has been closed with the OPEN/CLOSE button.

CAUTION: Do not forcibly close the disc holder when the power is off.
Do not switch off the power, when the disc holder is open.
Switch off the power after the disc holder has been closed with the OPEN/CLOSE button.

CD's

1. Precautions on handling compact discs

- Do not allow fingerprints, oil or dust to get on the surface of the disc. If the disc is dirty, wipe it off with a soft dry cloth.
- Do not use thinner, water, record spray, electrostatic-proof chemicals, or silicone-treated cloths to clean discs.
- Always handle discs carefully to prevent damaging the surface; in particular when removing a disc from its case or returning it.
- Do not bend the disc.
- Do not put the CD near heating sources.
- Do not enlarge the hole in the center of the disc.
- Do not write on the label (printed side) with a hard-tipped implement such as a pencil or ball point pen.
- Condensation will form if a disc is brought into a warm area from a colder one, such as outdoors in winter. Do not attempt to dry the disc with a hair dryer, etc.

2. Precaution on storage

- After playing a disc, always unload it from the player.
- Always store the disc in the jewel case to protect from dirt or damage.
- Do not place discs in the following areas:

1. Areas exposed to face sunlight for a considerable time.
2. Areas subject to accumulation of dust or high humidity.
3. Areas that are affected by heat from indoor heaters, etc.

Maintenance

The DAP Audio-CD-Player DS-850S requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.
Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

DAP Audio-CD-Player DS-850S
This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.
1. If the device does not operate properly, unplug the device.
2. Check power from the wall, all cables, connections, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If nothing happens after 30 seconds, unplug the device.
5. Return the device to your DAP Audio dealer.

Product Specification

Model: Dap Audio DS-850S
Power: 230V-50Hz (CE)
Frequency response 20Hz-20Khz
24 bits DA converter
44.1 KHz sampling frequency
Anti-shock memory: 20 seconds
Harmonic distortion 0.03%
Signal/noise ratio: -96 dB
Pitch edge +/-12%
Dimensions: 483x255x90 mm (LxWxH)
Weight: 4,5 kg

Design and product specifications are subject to change without prior notice.

CE

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